

FIG. 1

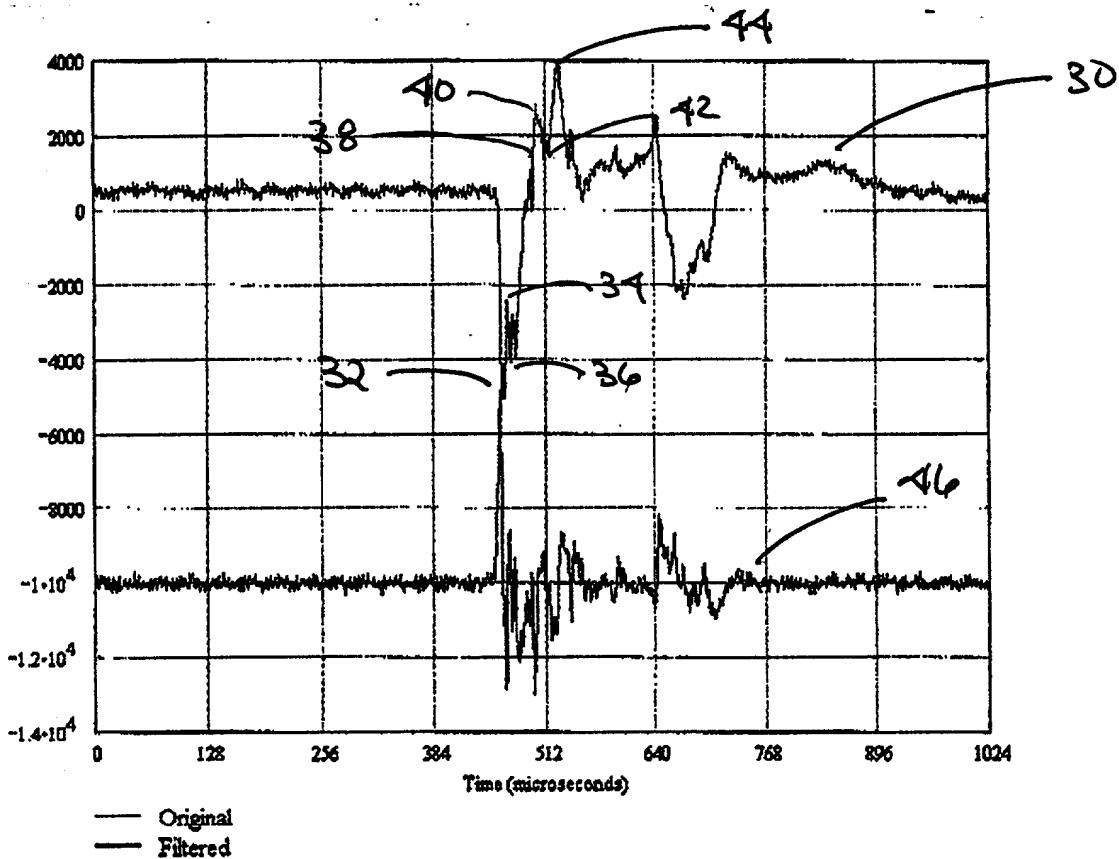


FIG. 2

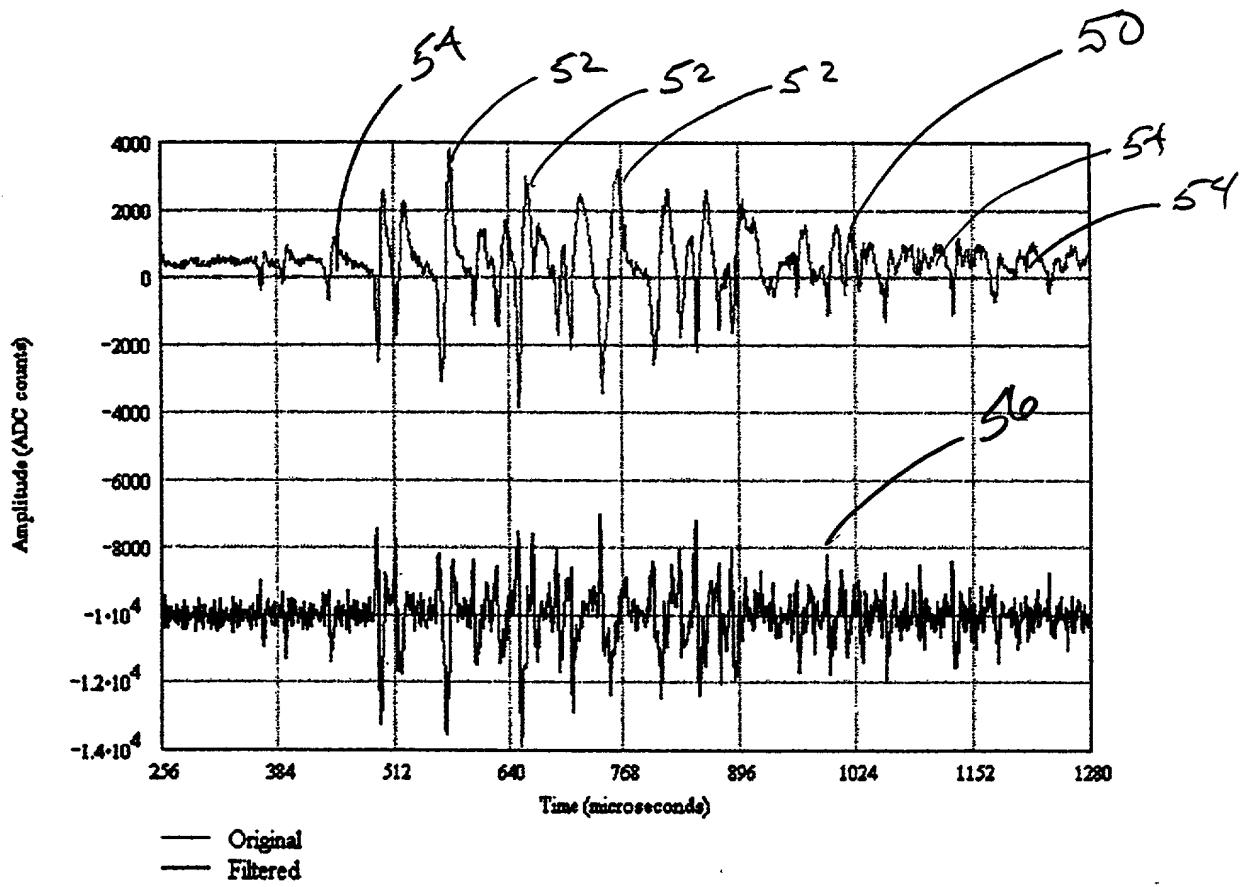


FIG. 3

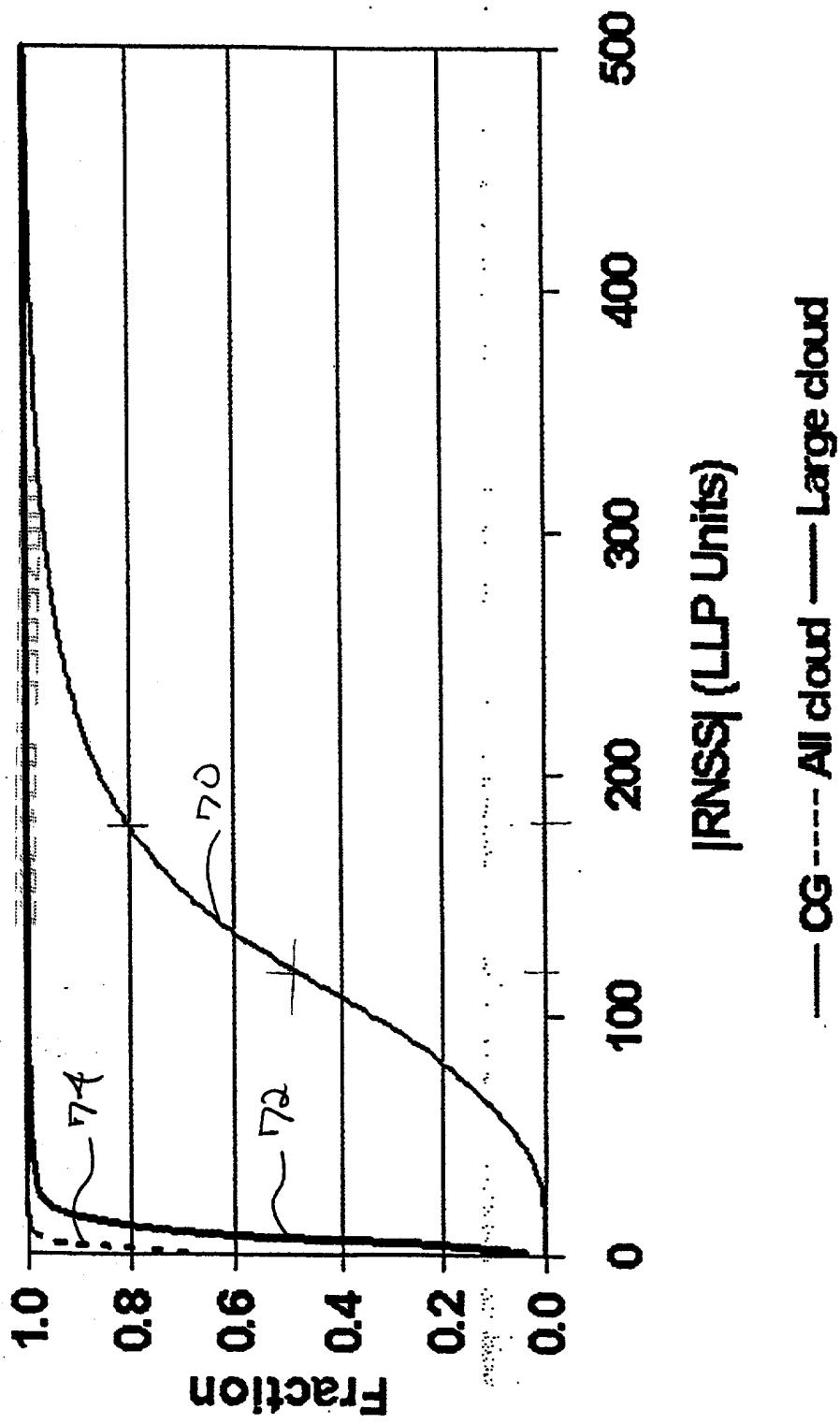


Fig. 4

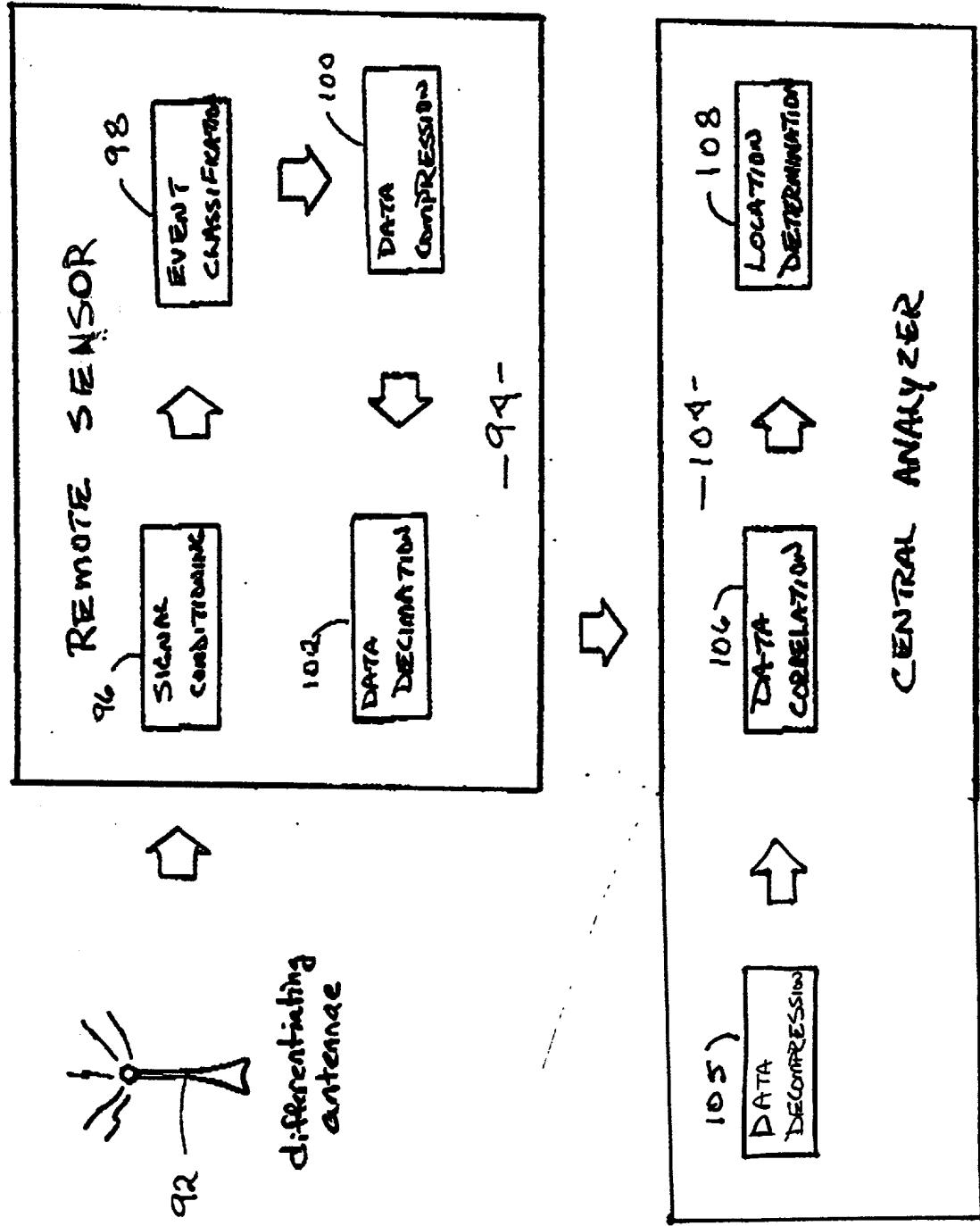


FIG.5

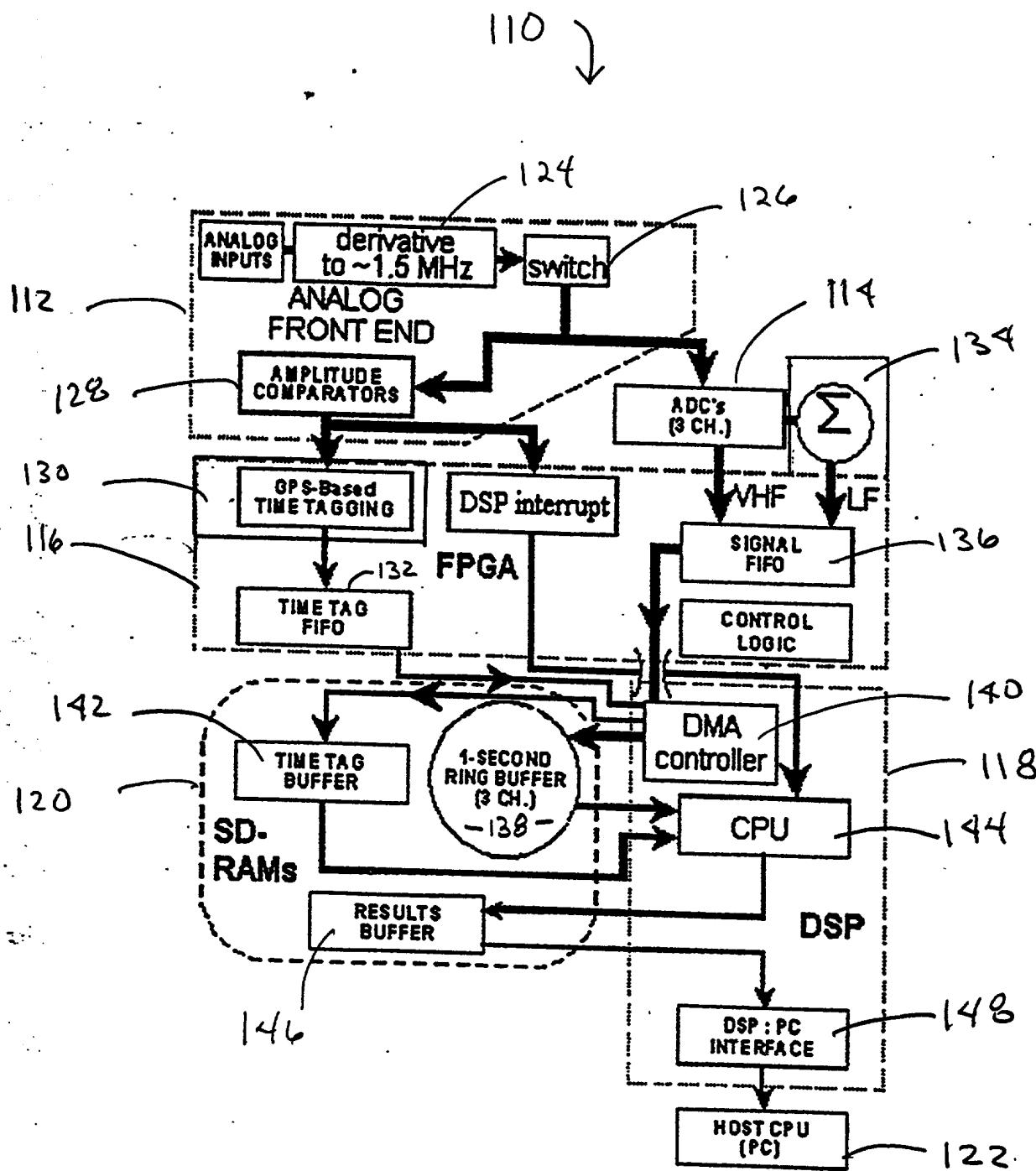


FIG. 6

Major components of filtering & amplification

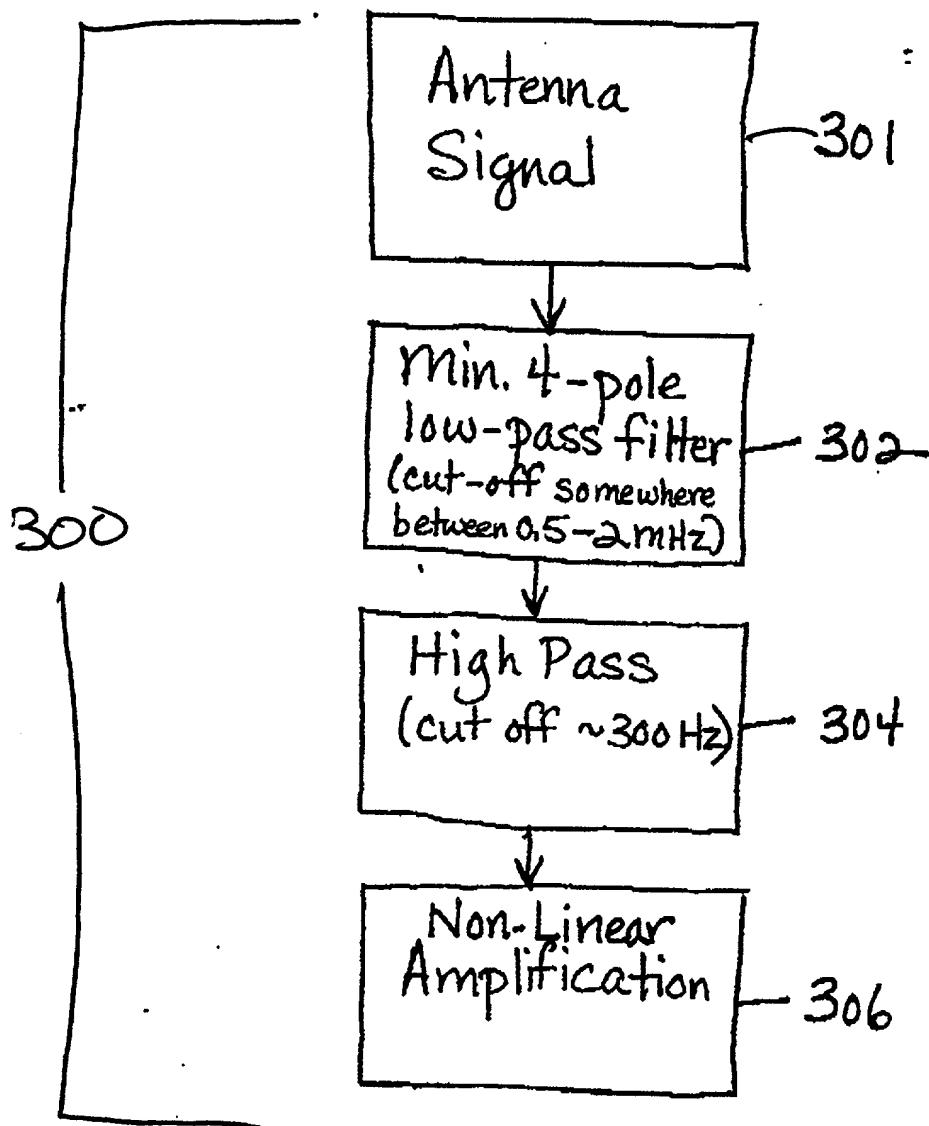


FIG. 7

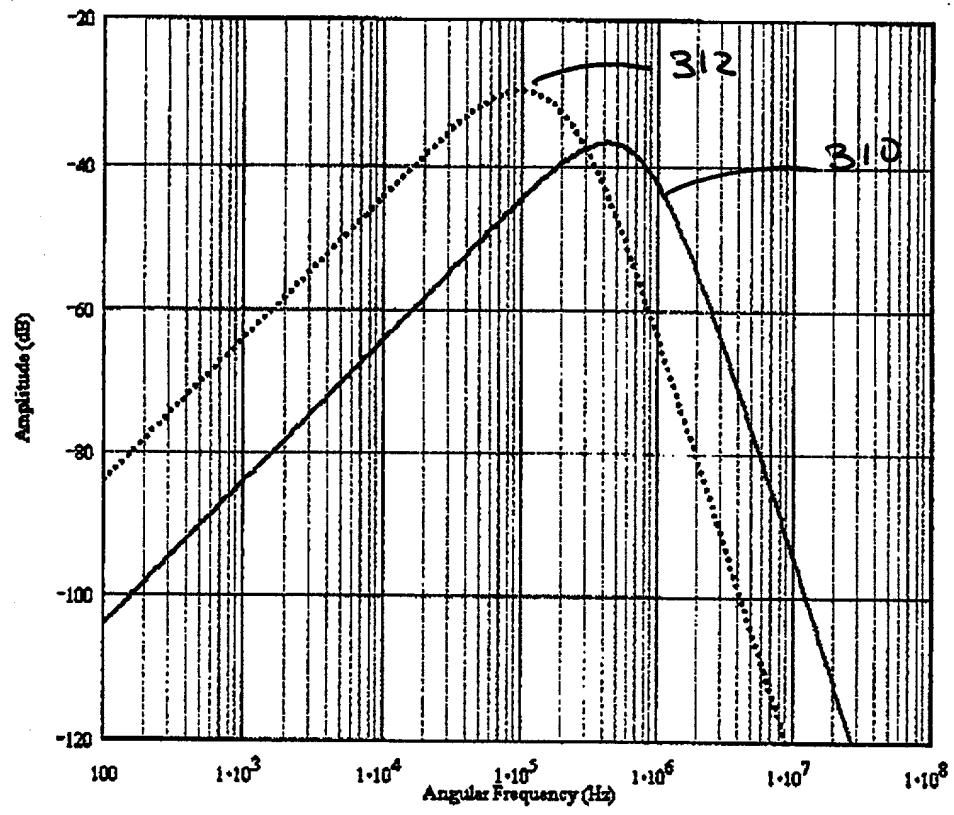


FIG. 8

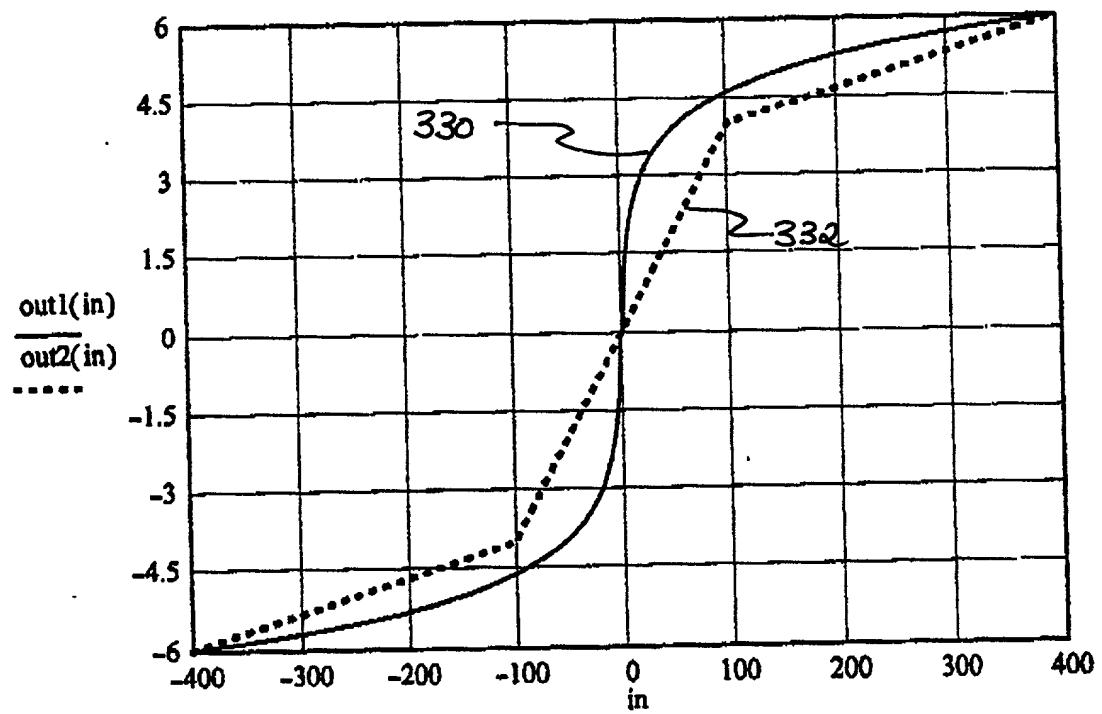


FIG. 9

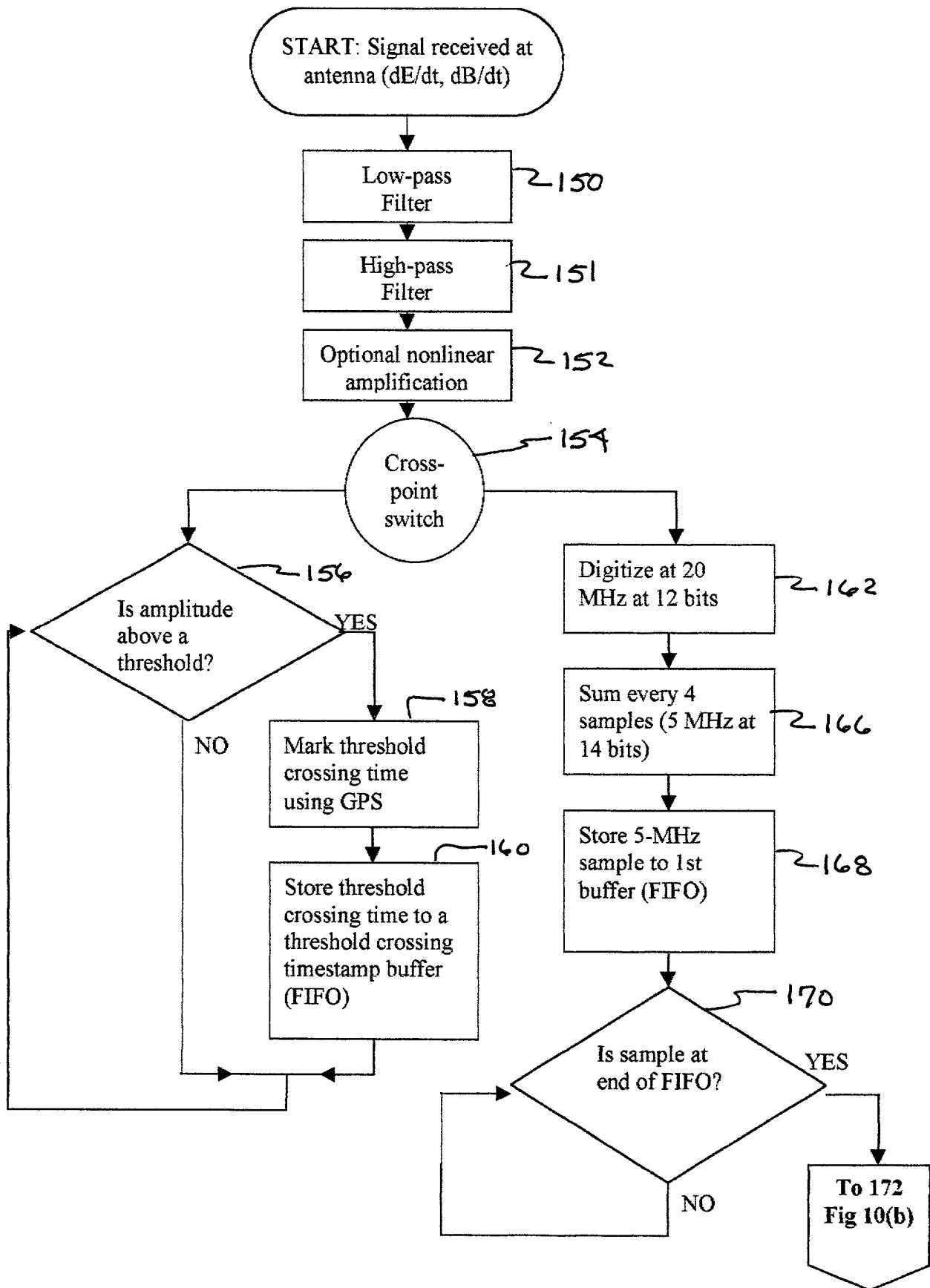


Fig. 10(a)

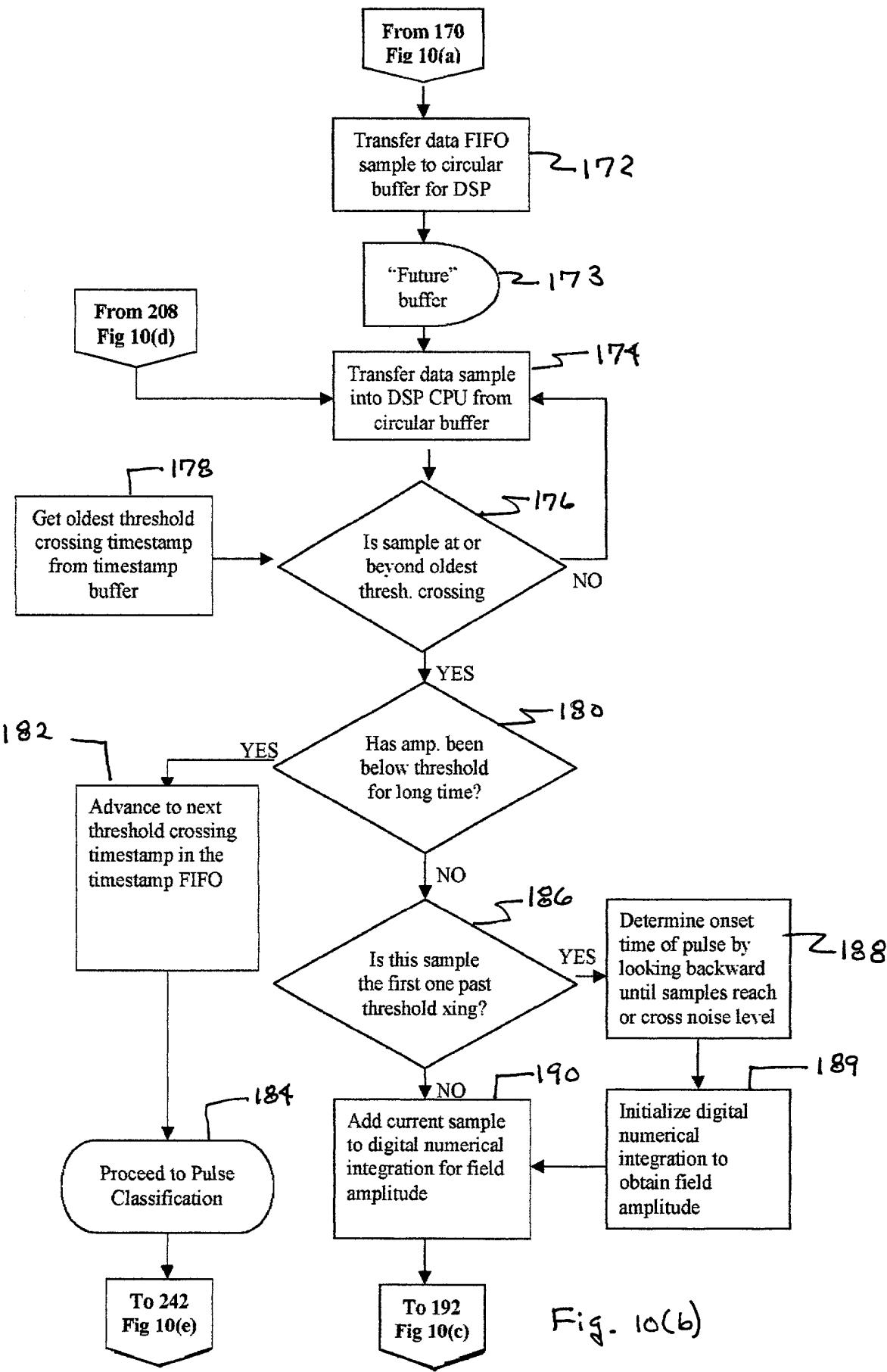


Fig. 10(b)

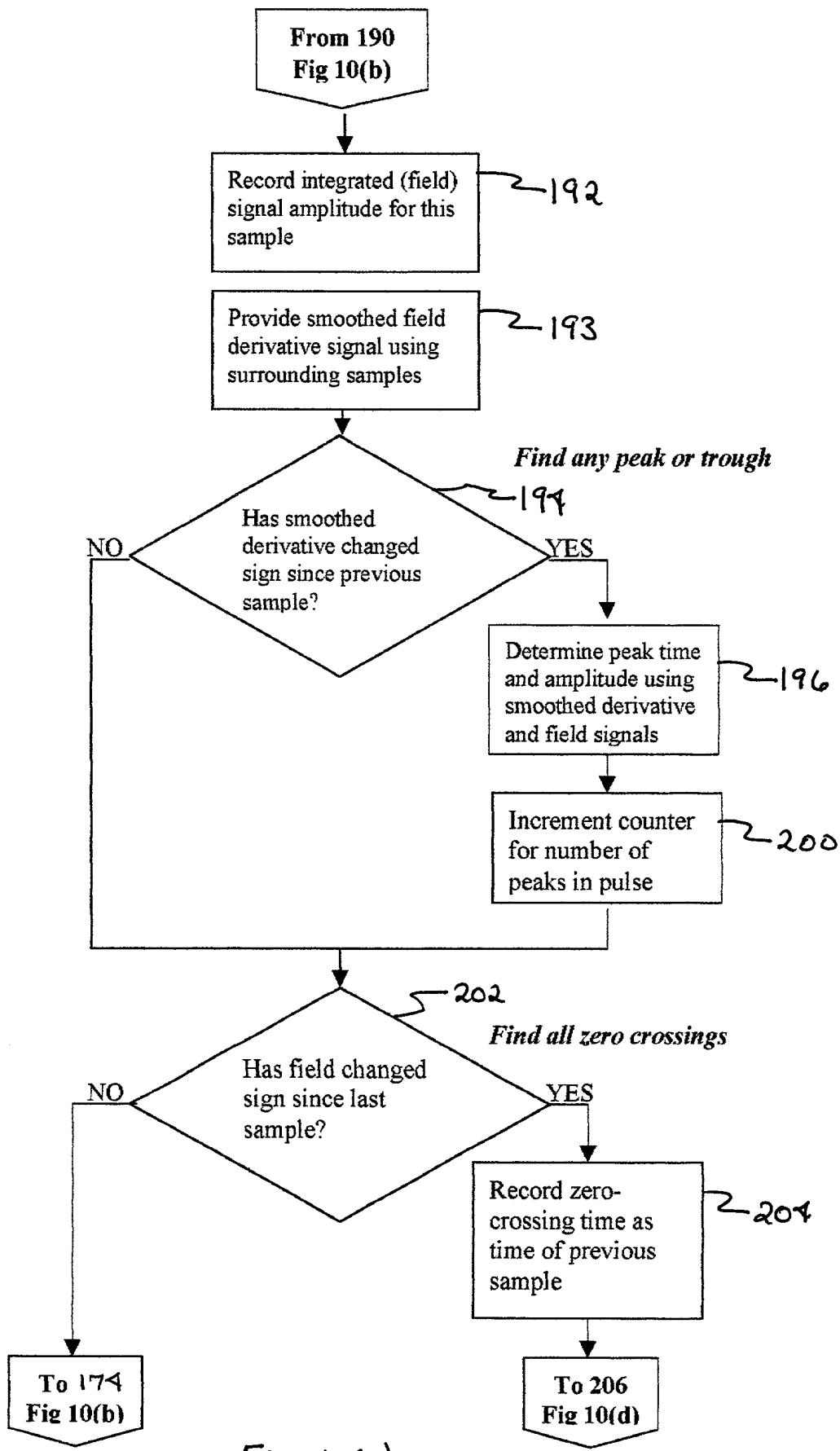


Fig. 10(c)

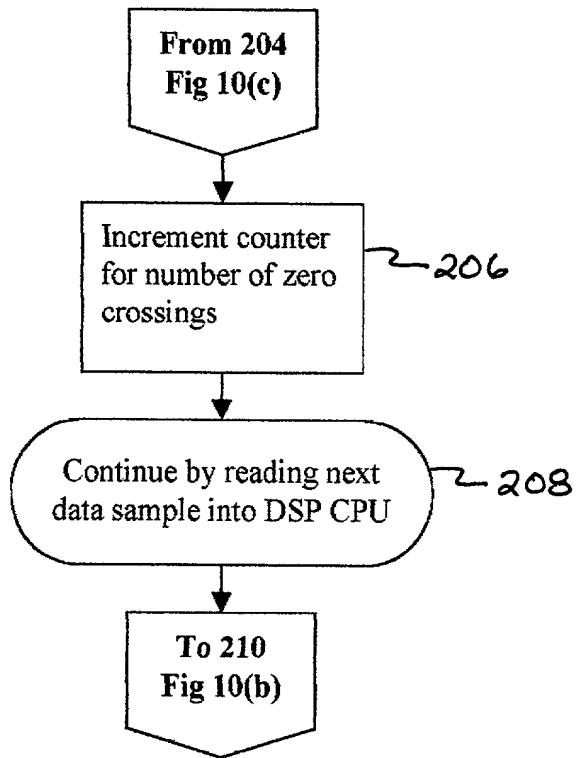
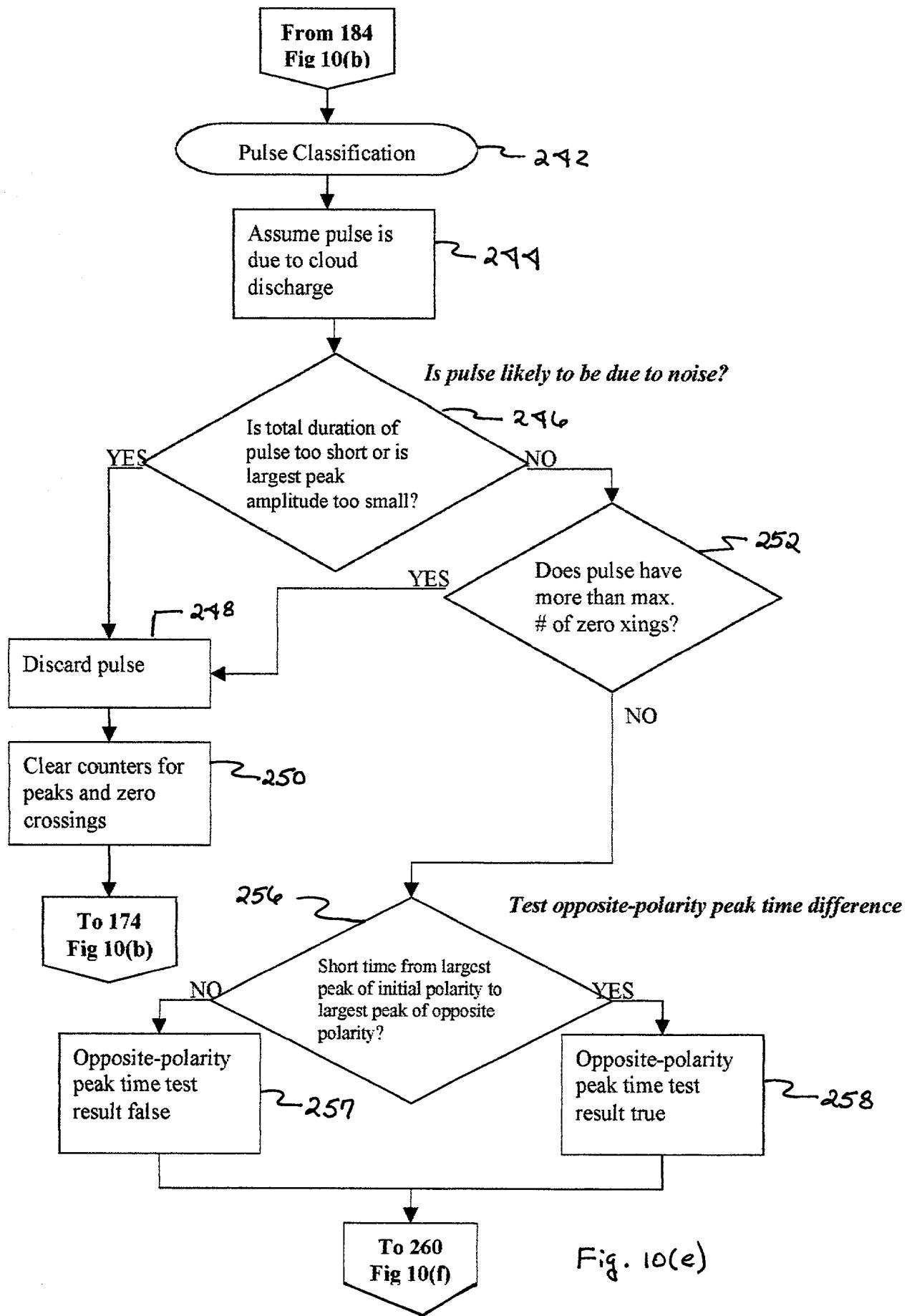


Fig. 10(d)



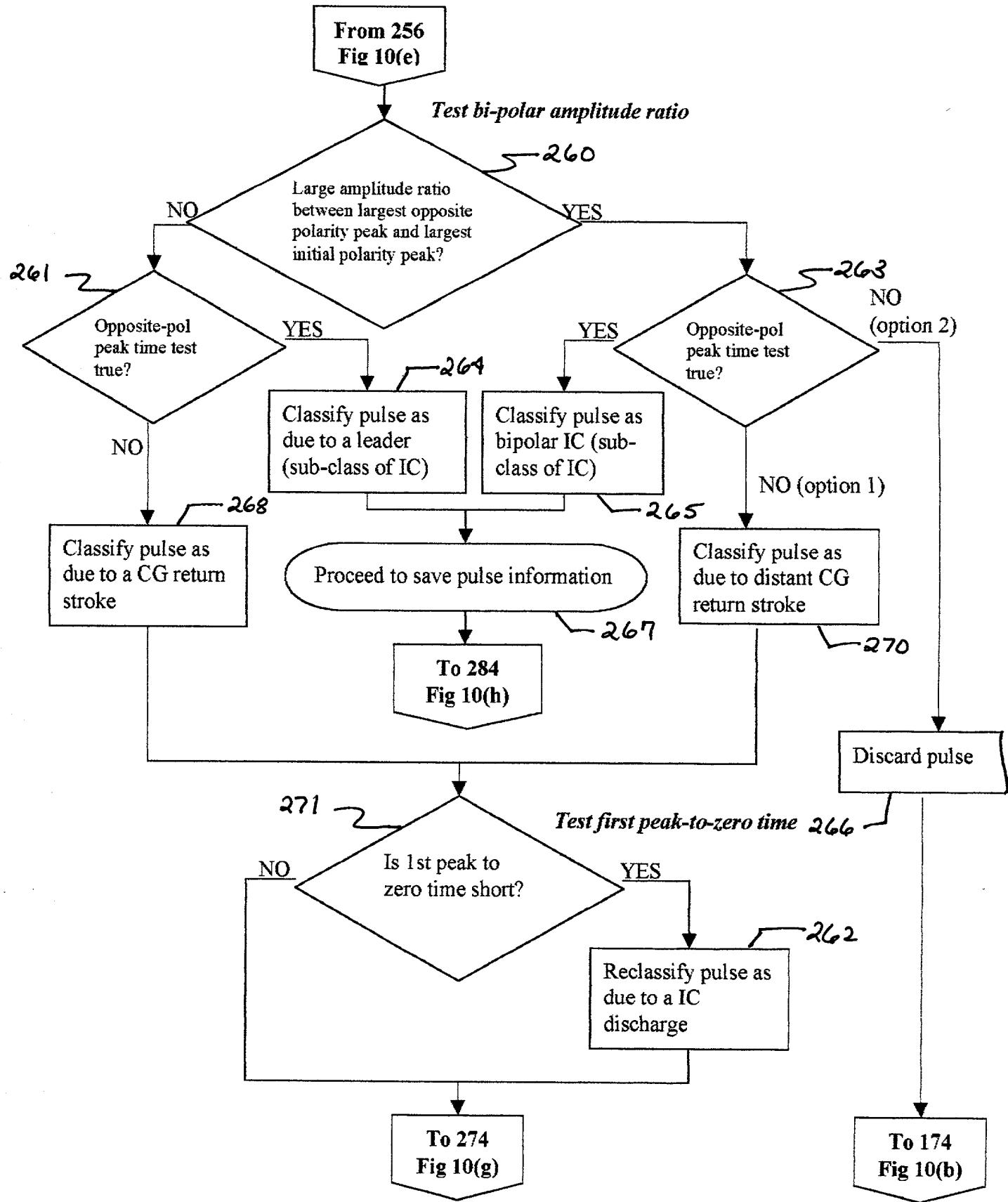


Fig. 10(f)

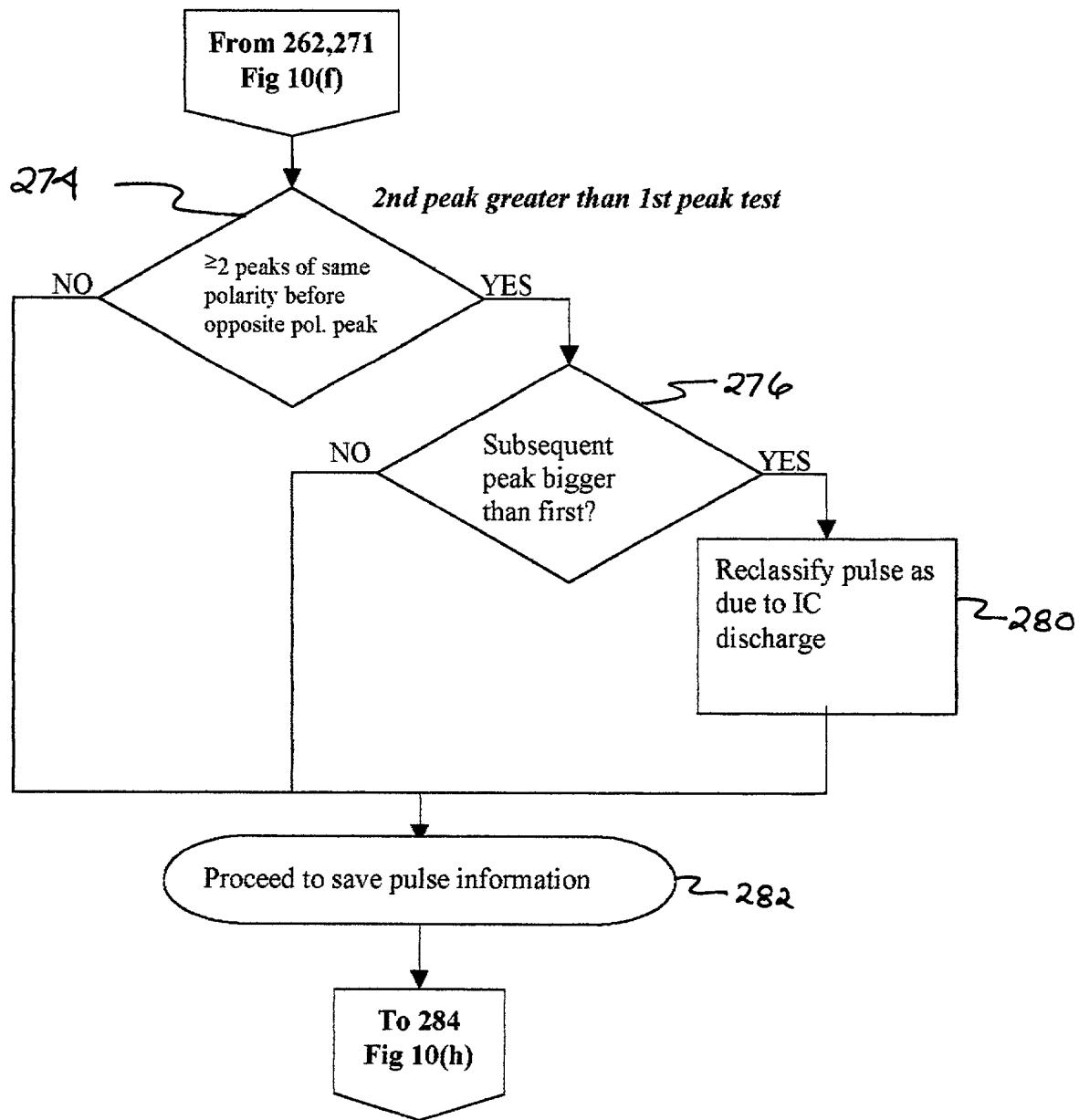


Fig. 10(g)

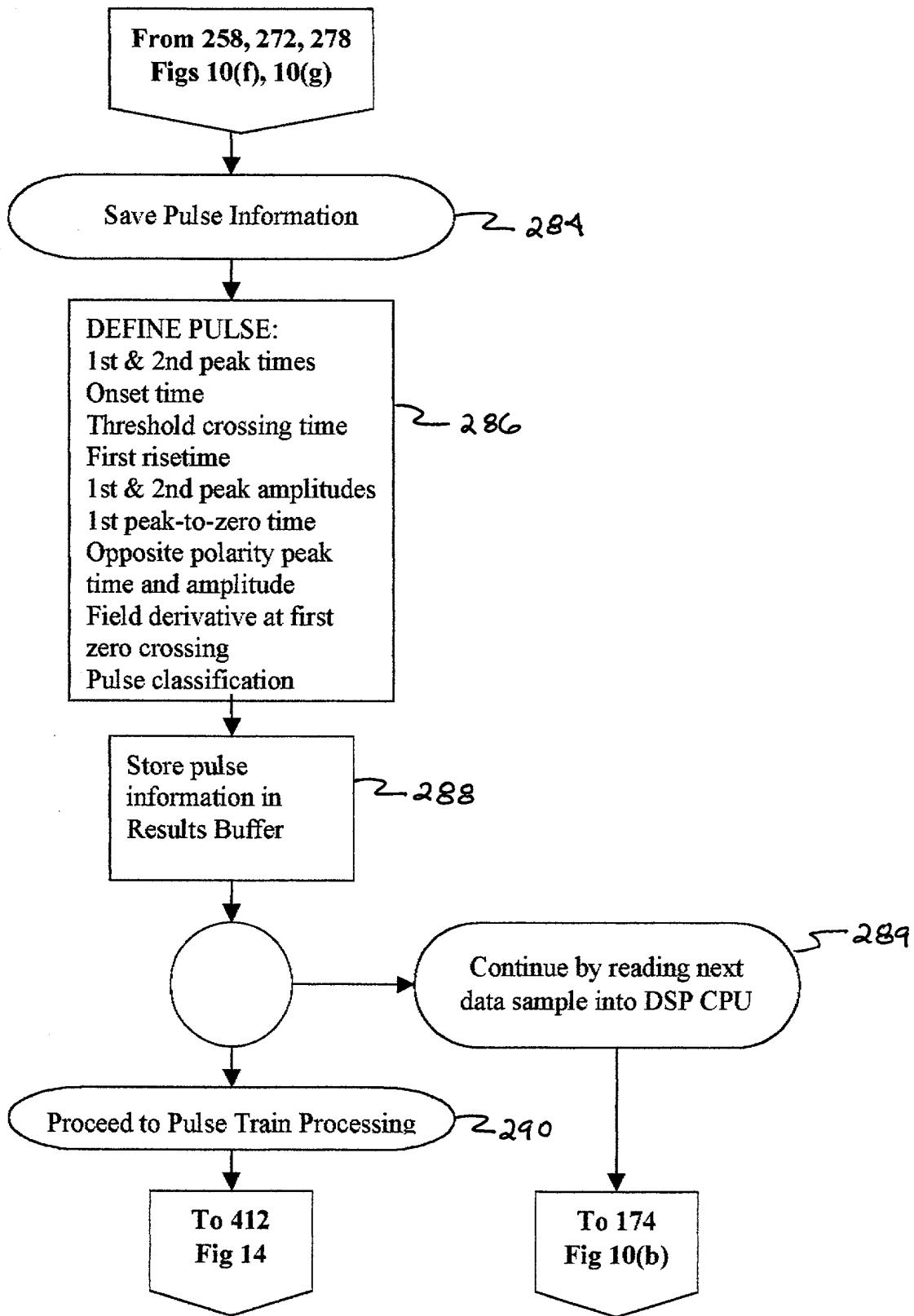


Fig. 10(h)

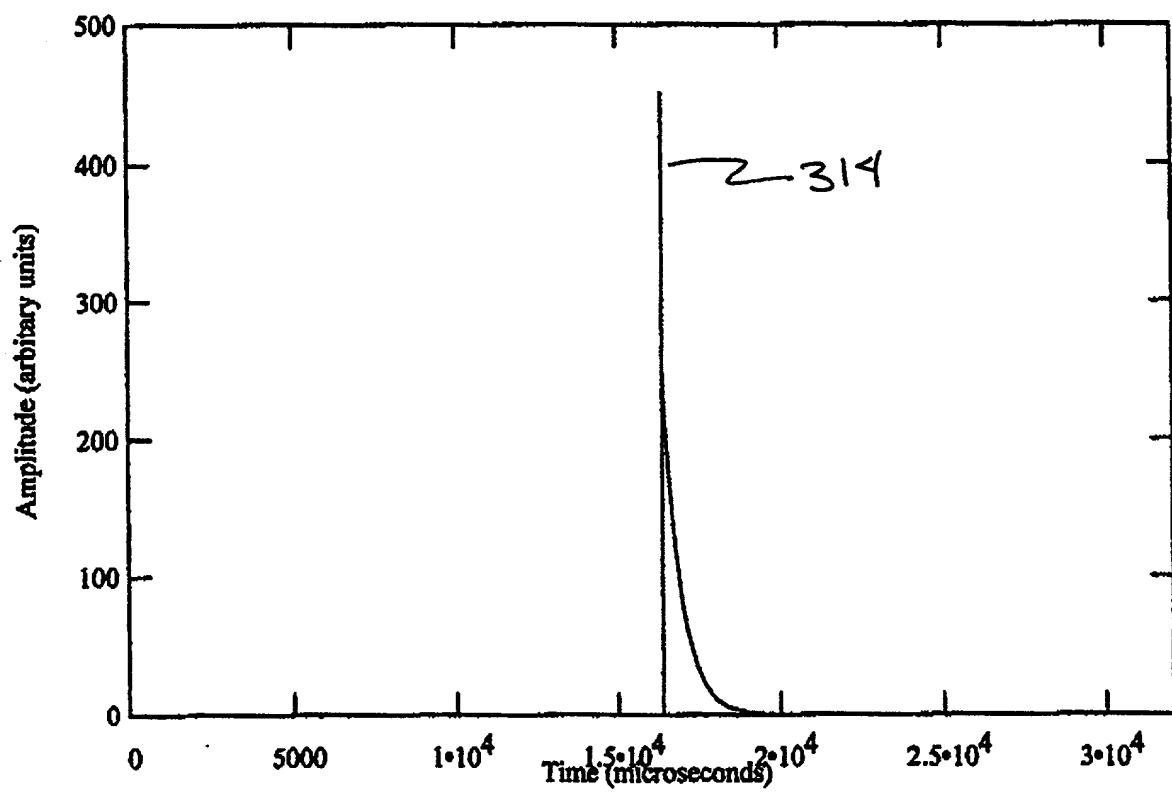


FIG. 11

電位差の振幅 (arbitrary units)

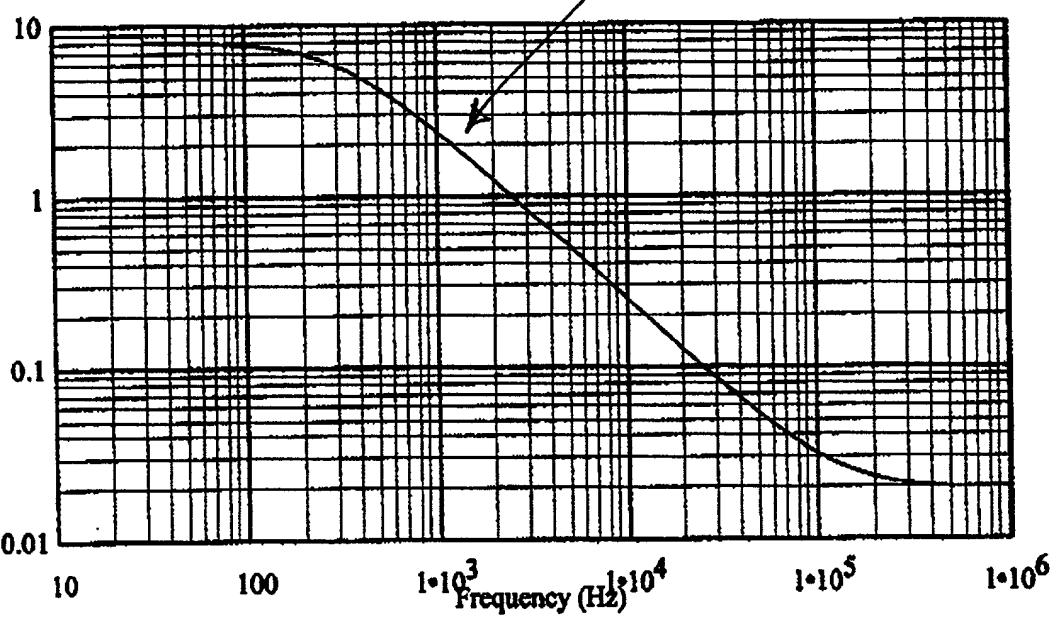


FIG. 12

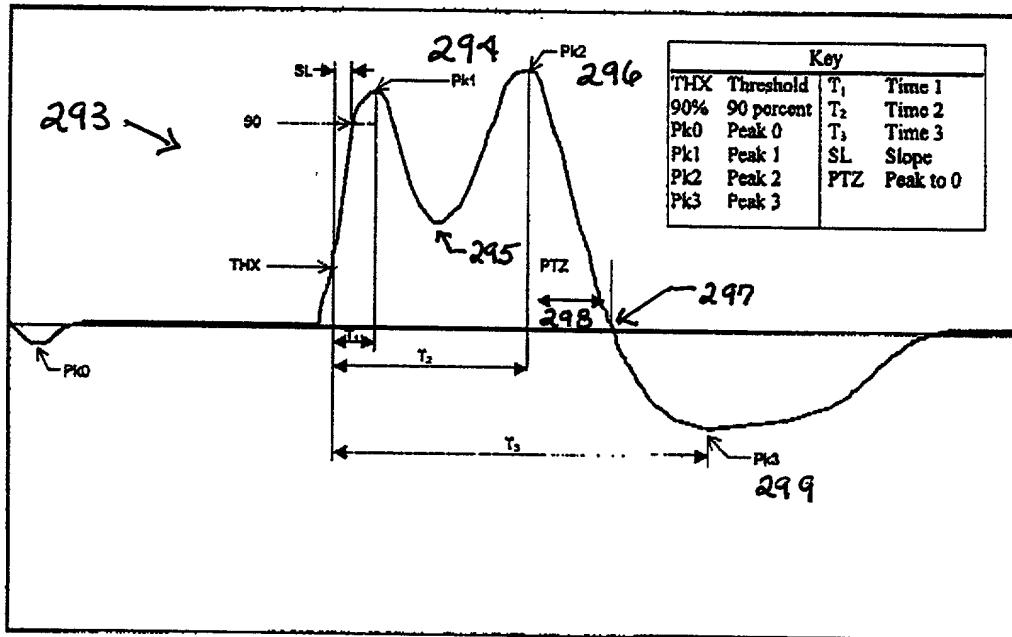


FIG. 13

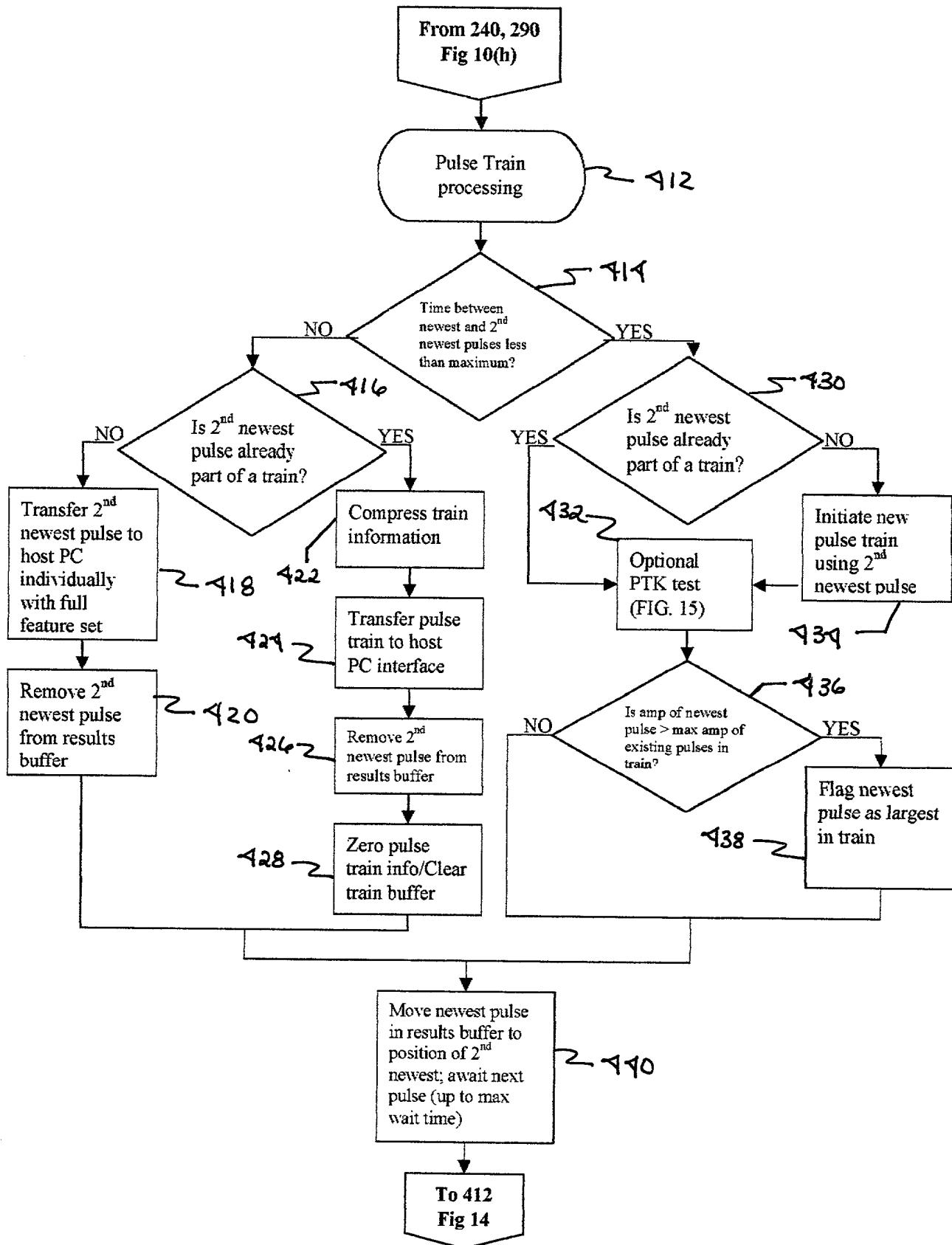


Fig. 14

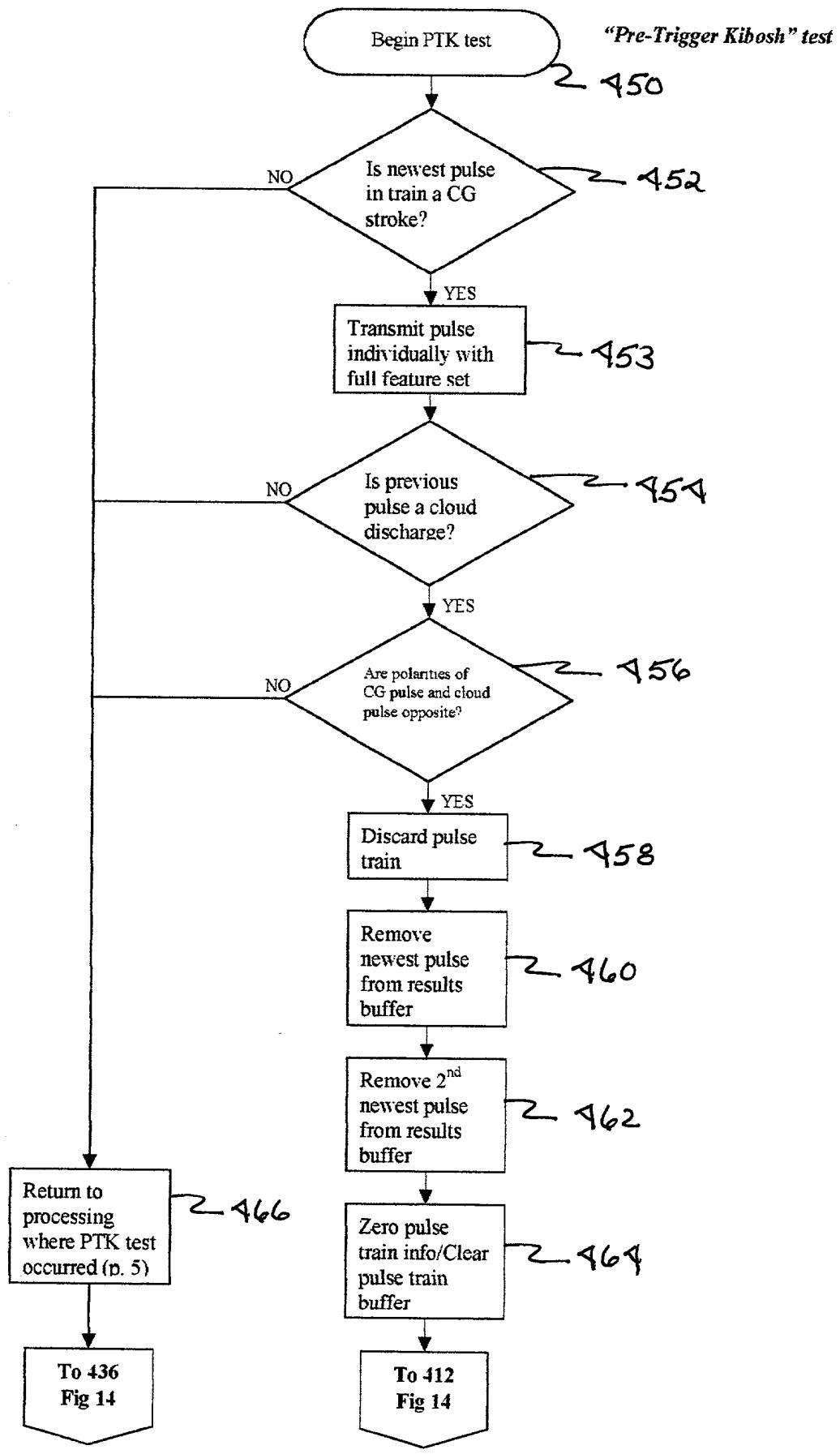


Fig. 15

<u>Pulse</u>	<u>Time (frac. of sec.)</u>	<u>Time (microsec)</u>	<u>Amplitude (count)</u>
471 → 1	0.000500	500	4400
473 → 2	0.000630	630	5100
473 → 3	0.000800	800	2900
473 → 4	0.000840	840	5000
473 → 5	0.000990	990	2900
473 → 6	0.001060	1060	2500

FIG. 16

Complete representations — Decimal / Hexadecimal

Pulse 1	Time (to second):	997056000	3B6DDE00
	Fraction of second:	10000	480 ↗ 72710
	Amplitude:	4400	482 ↗ 1130
	Angle:	359.99°	484 ↗ 7FFF
	Classification:	Cloud	486 ↗ 1 488 ↗ 1

FIG. 17

492

Hex: 3 B 6 D D E 0 0
Bin: 0011 1011 0110 1101 1101 1110 0000 0000
Comment: ← Time to the second →
490

Hex: 0 0 8 9 C 5 3
Bin: 0000 0000 0001 1000 1001 1100 0101 0011
Comment: ← Fraction of second → ← Amplitude

Flag to indicate that
amplitudes are included

Hex: E C F F F F
Bin: 1110 1100 1111 1111 1111 1111
Comment: Amplitude ← Angle → Classification
(1 = Cloud;
0 = CG)

FIG. 18

502	Hex: D 7 6 7 5 E	Bin: 1101 0111 0110 01111 0101 1110	500
			Pulse 1
502	Hex: 3 5 2 6 3 8	Bin: 0011 0101 0010 01110 0011 1000	500
			Pulse 3
502	Hex: 0 C 8 7 D 4	Bin: 0000 1100 1000 01111 1101 0100	500
			Pulse 4
502	Hex: 2 E E 6 3 8	Bin: 0010 1110 1110 01110 0011 1000	500
			Pulse 5
502	Hex: 1 5 E 5 E A	Bin: 0001 0101 1110 01101 1110 1010	500
			Pulse 6
Timed differences 13 bits		Amplitude Fractions Classification	

FIG. 19

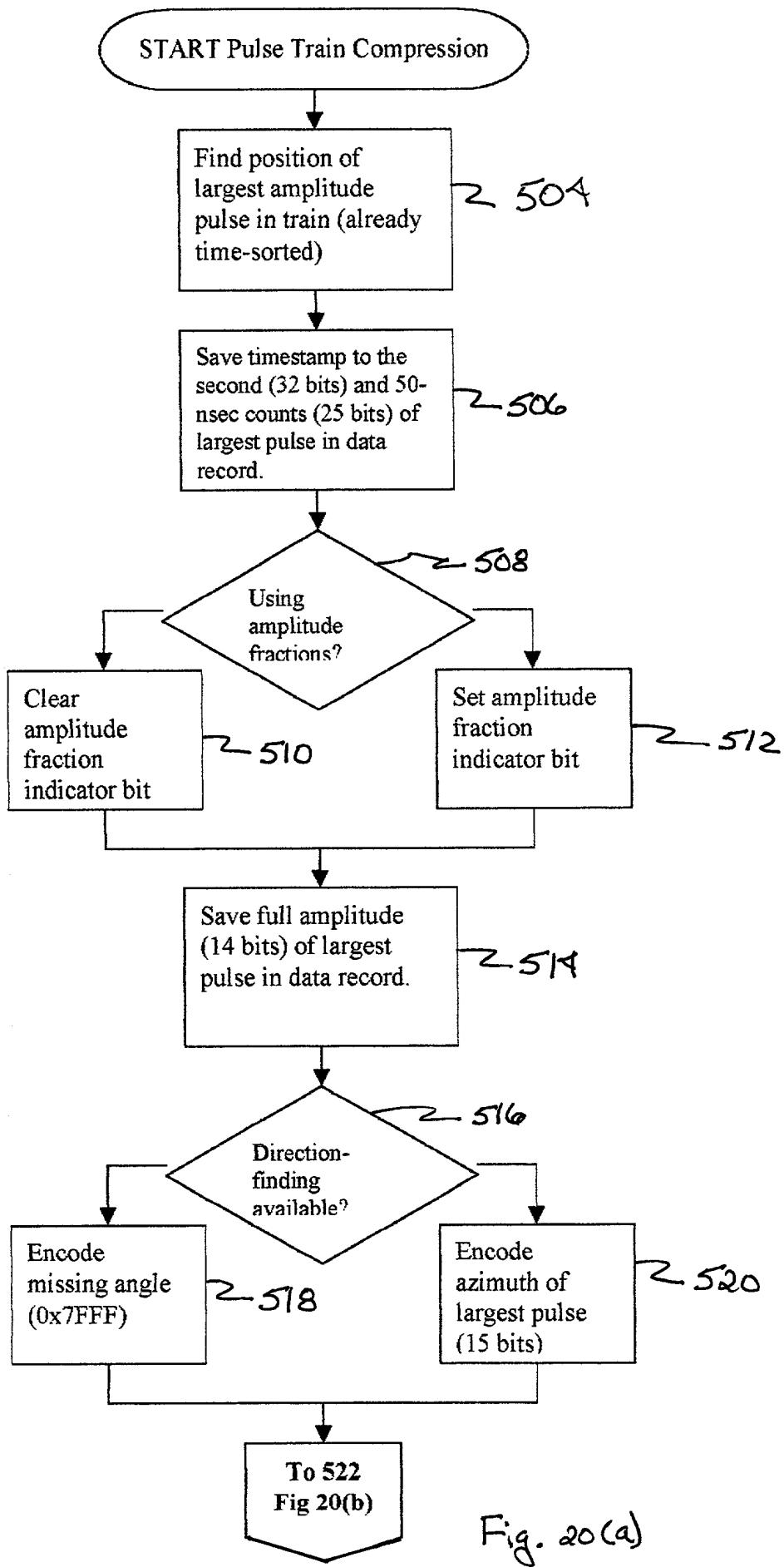
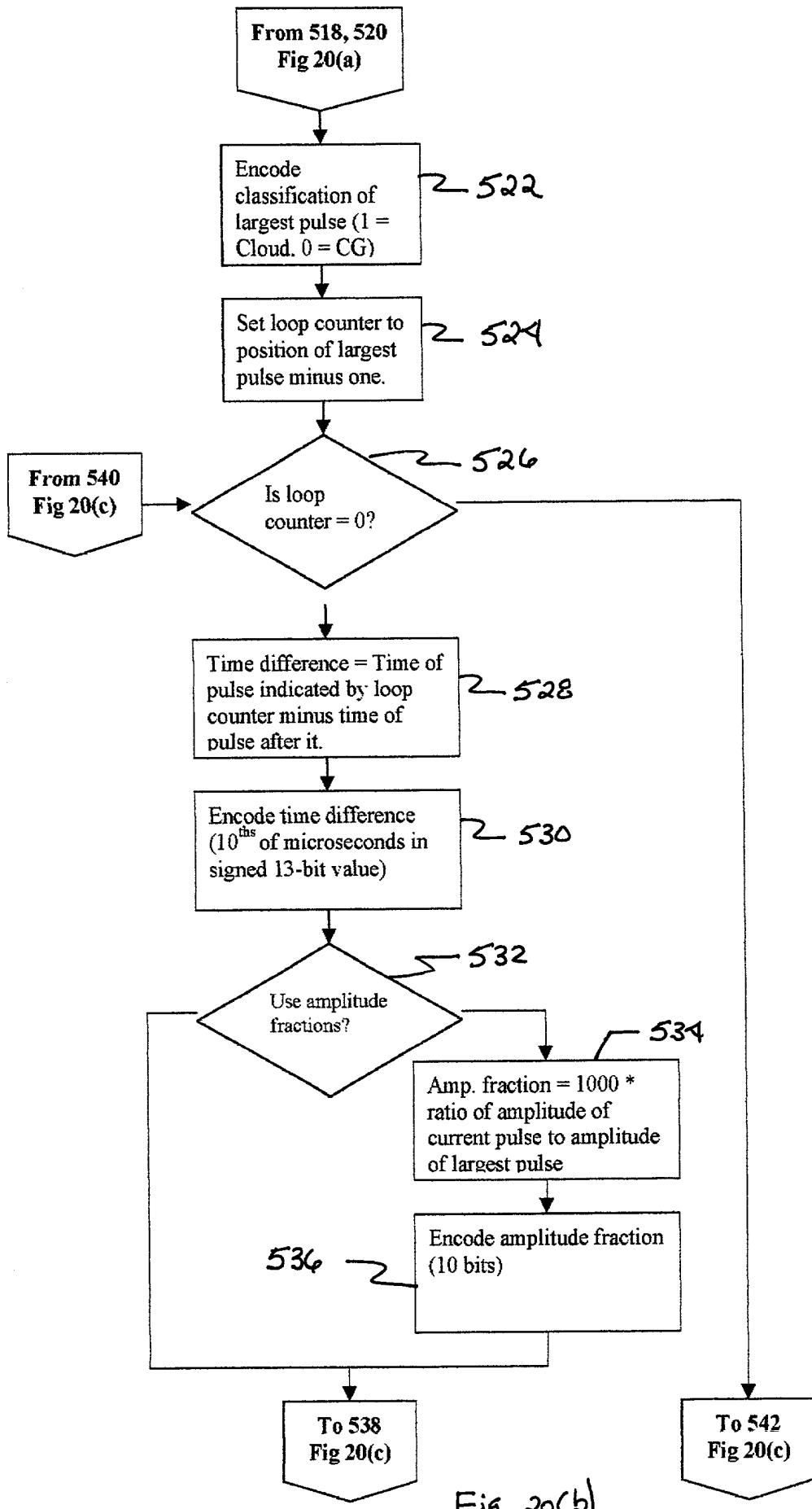


Fig. 20(a)



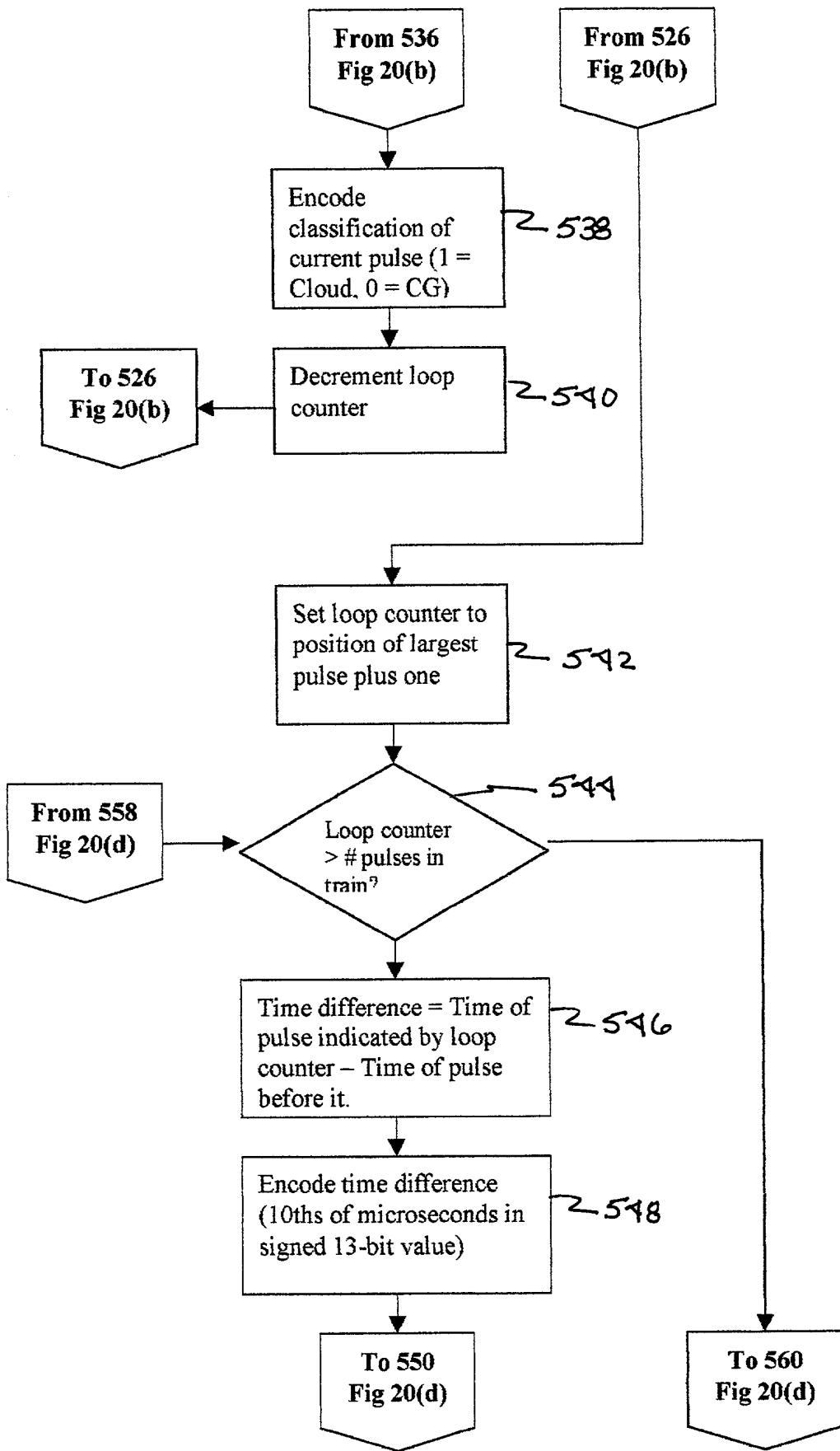


Fig. 20(c)

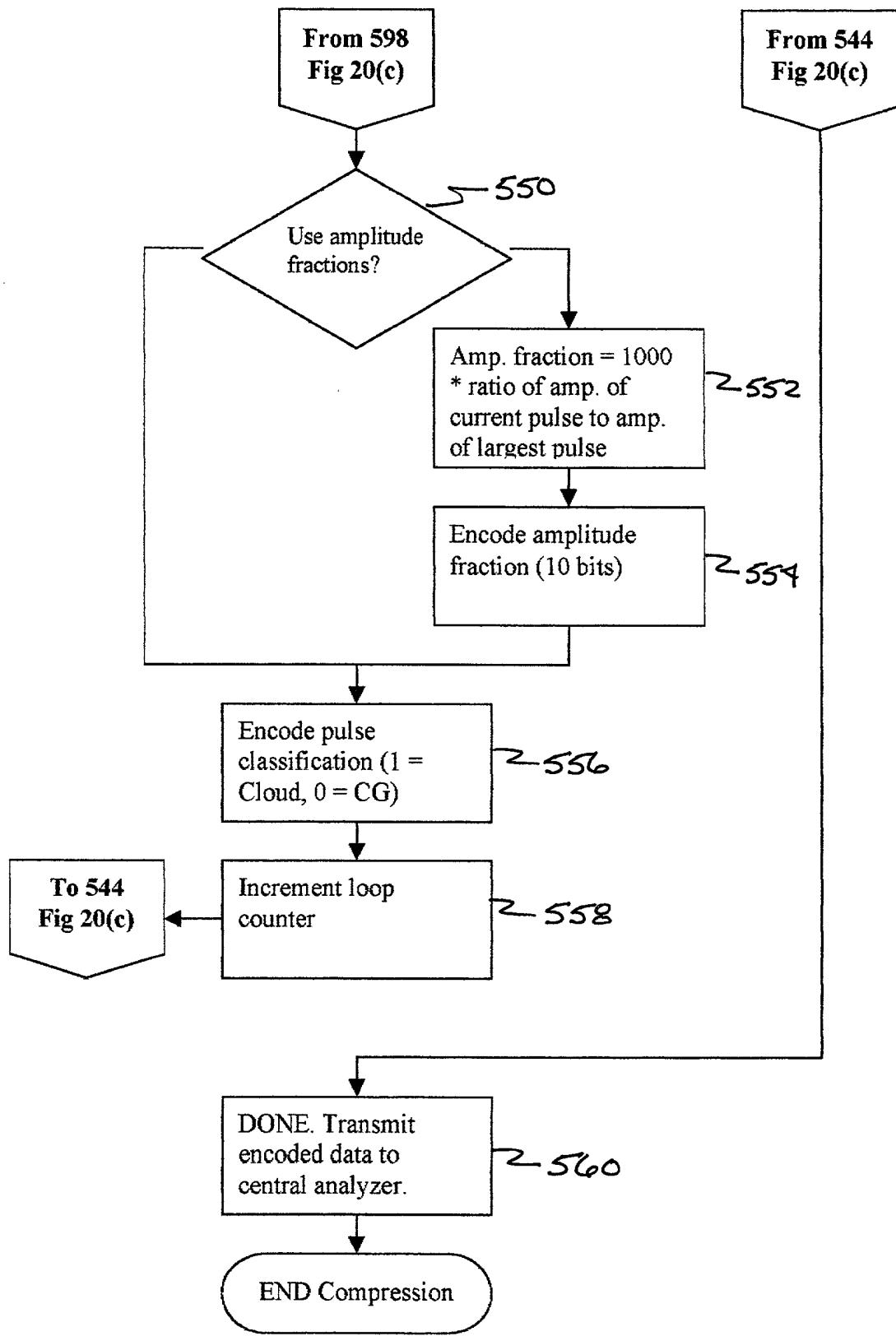


Fig. 20(d)

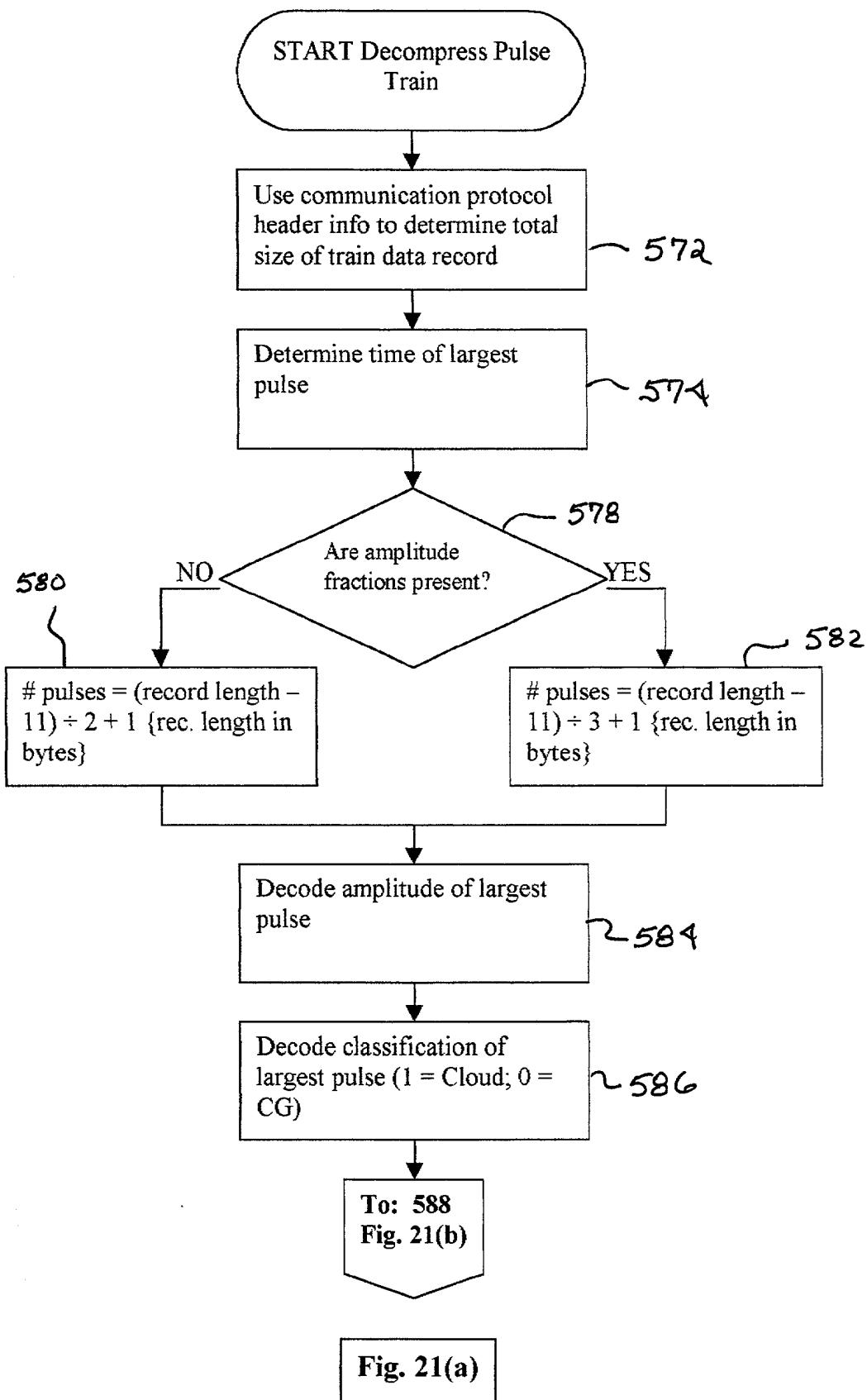


Fig. 21(a)

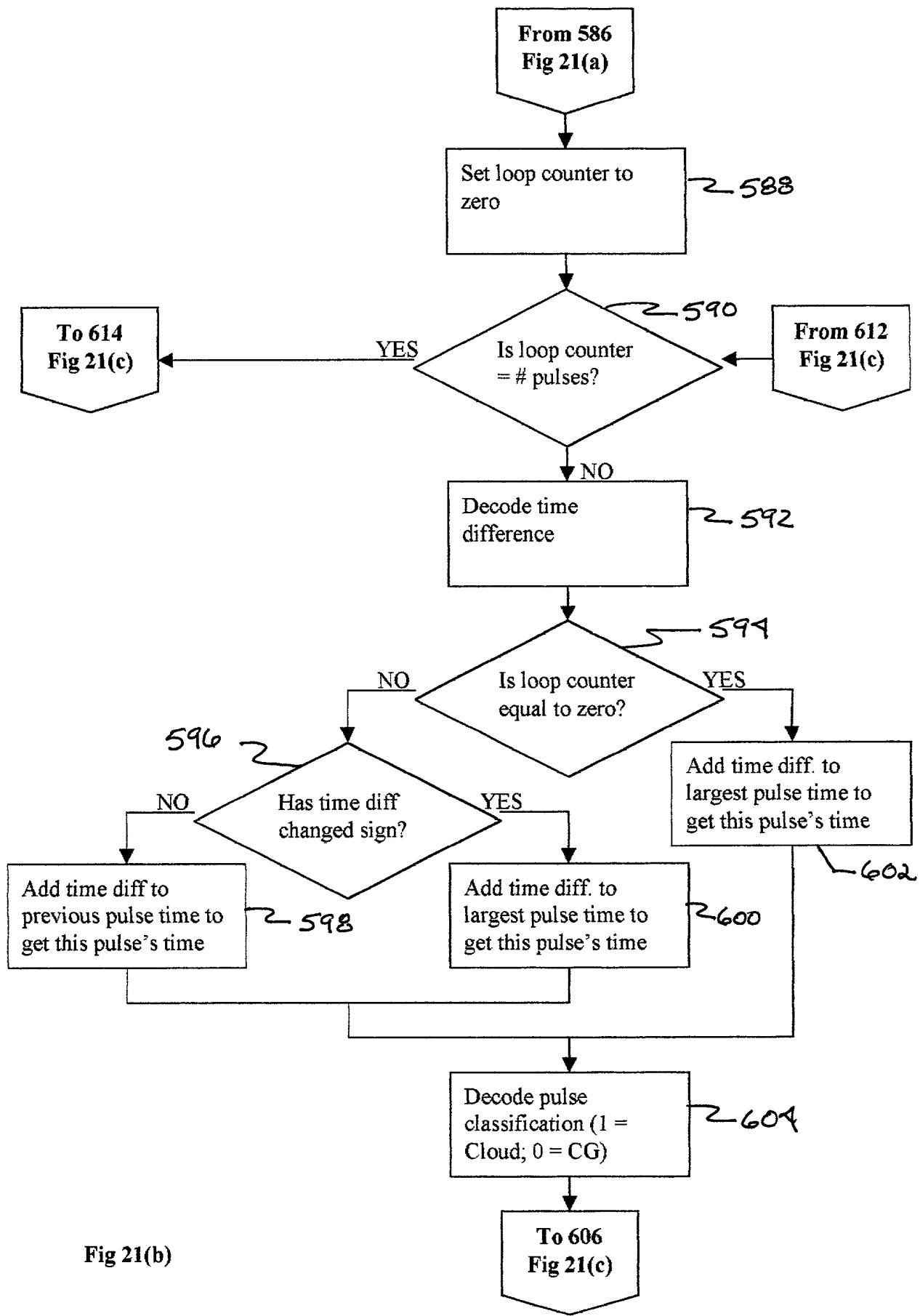


Fig 21(b)

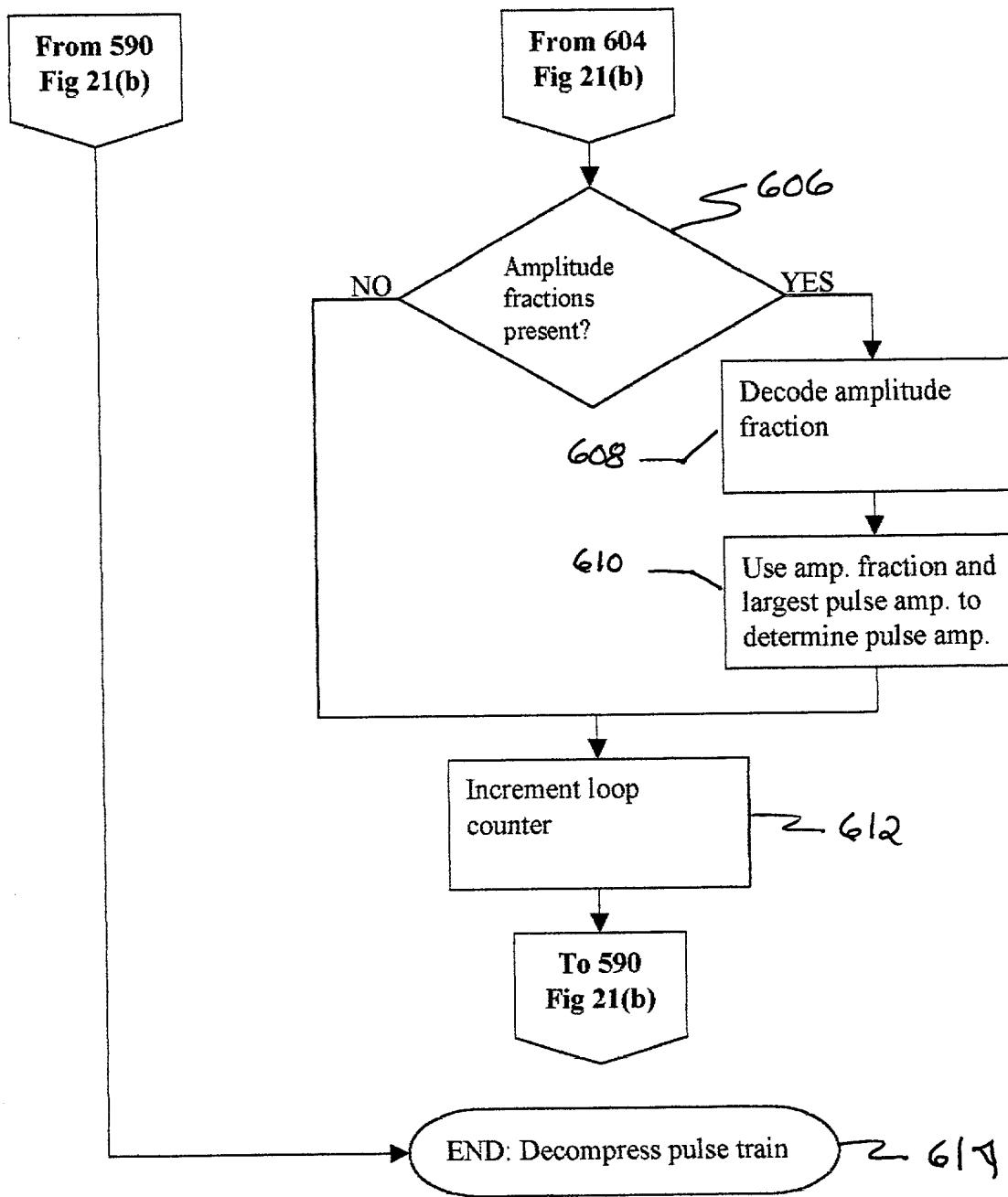


Fig 21(c)

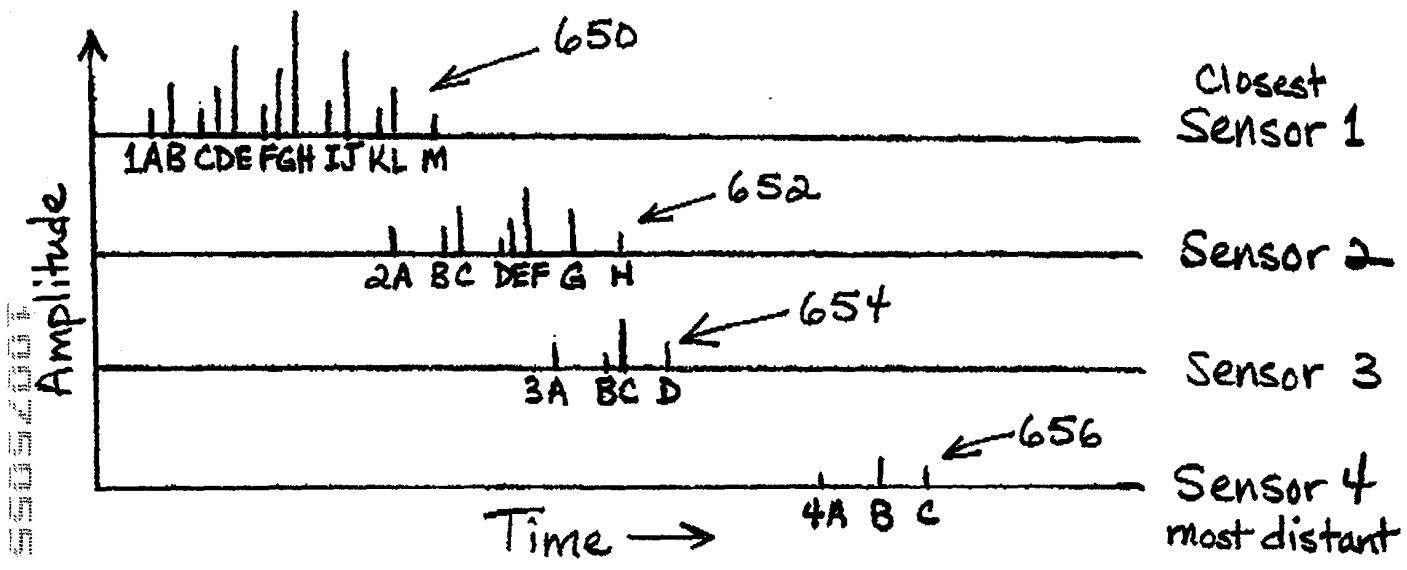


FIG. 22

SENSOR1	SENSOR2	SENSOR3	SENSOR4
1 H	2 F	3 C	4 B
1 J	2 G	3 D	4 C
1 E	2 C	3 A	4 A
1 G	2 E	3 B	
1 B	2 A		
1 L	2 H		
1 D	2 B		
1 F	2 D		
1 A			
1 C			
1 I			
1 K			
1 M			

FIGURE 23

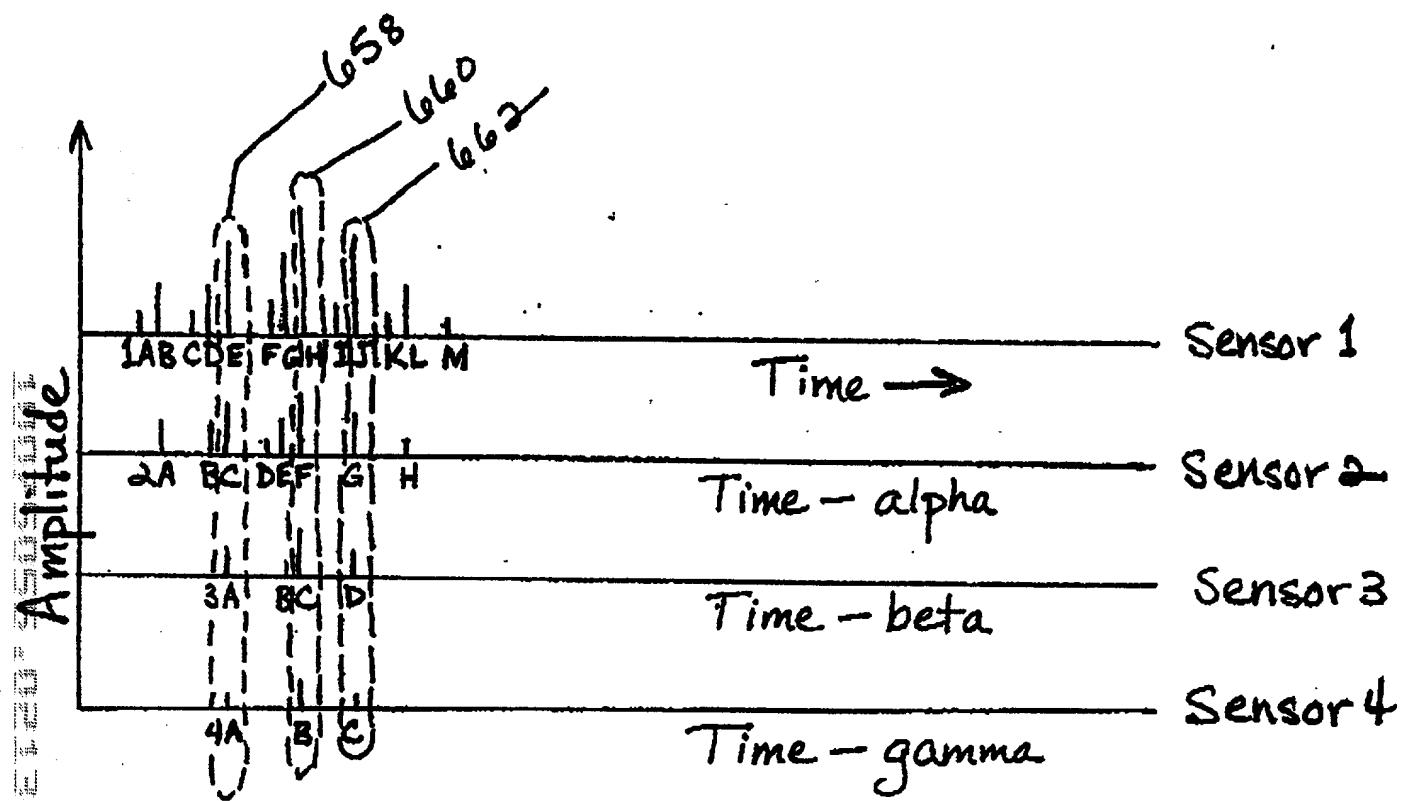


FIG. 24